

**MATRIX CHARACTERISTICS AFFECTING TREATMENT COST OR PERFORMANCE (2)**

Table 2 lists selected characteristics of untreated soil from Burning Ground No. 3.

**Table 2. Matrix Characteristics**

Soil Classification	Information not available
Clay Content and/or Particle Size Distribution	0.032 mm (mean particle size)* 31.5% clay, 30.9% silt, 35.3% sand, 2.3% gravel*
Moisture Content	17.5 %*
Oil & Grease or Total Petroleum Hydrocarbons	Information not available
Bulk Soil Density (3)	1.6 tons/cy

\* Average value from the Proof of Performance Test (2).

**TREATMENT SYSTEM DESCRIPTION****PRIMARY TREATMENT TECHNOLOGY (5)**

Soil Ex-Situ – Low Temperature Thermal Desorption

**SUPPLEMENTARY TREATMENT TECHNOLOGIES (5)**

Pretreatment (Solids) – **Screening**  
 Post-Treatment (Solids) – **Quench**  
 Post-Treatment (Air) – **Baghouse**  
 Post-Treatment (Air) – **Catalytic Oxidation**  
 Post-Treatment (Air) – **Quench**  
 Post-Treatment (Air) – **Scrubber**

**TIMELINE (1,2,3,10)**

Date	Activity
August 30, 1990	LHAAP installation added to the NPL
December 30, 1991	CERCLA Section 120 Agreement (Federal Facility Agreement) between LHAAP, U.S. EPA and TNRC became effective
December 1993	Treatability study performed
September 8, 1994	Proposed Plan for the Early Interim Remedial Action released by USACE and U.S. EPA
September 15, 1994	Public meeting held to present the Proposed Plan and solicit comments
February 23, 1995	TNRC concurs with U.S. EPA's recommendation of using LTTD for soil treatment
May 12, 1995	Interim ROD signed by U.S. EPA Region VI Administrator.
November 1996	Notice to Proceed issued to Radian for Burning Ground No. 3 soil remediation delivery order

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